



110 Union Street, Suite 500
Seattle, WA 98101-2038
Ph: 206.343.8800 / 1 800.552.3565
Fax: 206.343.7522
www.pscleanair.org

Puget Sound Clean Air Agency

Compliance Status Report

Inspection Date: 3/1/06Time: 3:35 p

Case/Registration No. <u>R# 11872</u>	Name <u>Glacier Northwest Inc. West Marginal</u>		Responsible Person, Title <u>Steve Penswick Mgr.</u>
Site Address <u>5900 W. Marginal Way SW.</u>	City <u>Seattle</u>	Zip <u>98106</u>	County <u>King</u>
Mailing Address	City, State	Zip	Phone <u>(206) 909-4084</u>

- ☒ I observed no violations of our agency's regulations during my inspection in the areas I inspected.
- ☐ I could not make a compliance determination because:
- ☐ I need to consult with others. I will share my conclusions with you either in person, over the phone, or in writing by _____.
 - ☐ I need more information. Please submit the following information by _____.

The 3 new truck loading baghouses were installed and will be on-line next week. (NOC 9379) New Dockside Baghouse installation

Complete (NOC 9203) This Baghouse was off-line. The 3rd fl.

North & So. Storage baghouses on Cement Silos were on-line during barge unloading with no visible emissions. Good job keeping weekly B/H O&M logs up to date. Need columns for VE/NO VE & Corrective Action Taken within 24 hrs.

Issued By: Elyse J. JollyReceived By: Steve PenswickDate/Time: 3/1/06 3:40 pm

Activity Record		
Activity	Initials	Date
1. Evaluation	<i>FLA</i>	3/1/06
2. Engineer	<i>FLA</i>	3/7/06
3. Linda/Valerie		3-15-06
4. Data Entered	<i>FLA</i>	3-15-06
5.		
6.		
7.		
8. Sent to Central Files		

Puget Sound Clean Air Agency
110 Union Street, Suite 500
Seattle, WA 98101-2038

Evaluation Report

Reg #: 11872
AFS #:
Status: Active

Personal Protective Equipment Checklist

Determined by Inspector based on
Compliance Manual Policy 101

Worn	Safety Equipment	Req/Op
<input type="checkbox"/>	None	
<input type="checkbox"/>	Hard Hat	R
<input type="checkbox"/>	Goggles	
<input type="checkbox"/>	Safety Glasses	R
<input type="checkbox"/>	Hearing Protection	
<input type="checkbox"/>	Respirator	
<input type="checkbox"/>	Safety Shoes	
<input type="checkbox"/>	Rubber Boots	
<input type="checkbox"/>	Leather Gloves	
<input type="checkbox"/>	Chemical Gloves	
<input type="checkbox"/>	Coveralls	
<input type="checkbox"/>	Tyvek	
<input type="checkbox"/>	Safety Vest	R
<input type="checkbox"/>	Other	

Facility: Glacier Northwest Inc, W Marginal
Physical Address: 5900 W Marginal Wy SW
Seattle 98106
Invoice Address: PO Box 1730
Seattle WA 98111

Inspector EMG Engineer FLA
Last Onsite Compliance 02/22/2005

Contacted
☐ Ned Pettet, EH&S remove (206) 768-7612
☐ Ed Ownes, VP Staff remove (206) 764-3000
☒ Steve Penswick, Assistant Manager (206) 909-4084 (206) 768-7615
☐ Tom Hanson, Environmental Manager remove (206) 764-3075 THanson@GlacierNW.com
☒ Brian Wiggington Environmental Mgr. (503) 335-2889

NAICS: 423320 - Brick, Stone, and Related Construction Material Merchant Wholesalers

Evaluation Date: 3/1/06 2:15 pm Clean Air Reps: E Gilpin
Evaluation Type: ☒ Onsite Compliance ☐ Onsite Observation ☐ Follow-up ☐ Administrative Task

Evaluation Summary: Routine inspection. Signed Notice of Completion Nov 9203
3 New truck loading BH's final installation in progress & will be on-line
Shortly CE(3) BH to be removed at that time
Updates: ☐ AOD ☒ Equipment ☒ NOC ☐ Operating Status ☐ Owner/Name ☒ Other contact list
Attachments: Sec additional equipment list

NOV/WW # Issued: CSR for no deficiencies

Other Action:

Evaluation Prepared by: *[Signature]*

Date: 3/3/06

Onsite Compliance Evaluations (Last 3)**Eval Date Inspector Inspector Notes**

02/22/2005 EMG FLA CSR - no violations. Reminder to establish pressure drop range. NC 9079.
 11/26/2002 EMG Update Equip List. Change NAICS code.
 11/06/2002 EMG CSR-no violations.Update equip list.

NOV/WW

Onsite Observation Evaluations (Last 3) - None

Offsite Report Evaluations (Last 18 Months) - None

Onsite Complaint Evaluations (Last 3)**Eval Date Inspector Inspector Case#**

10/17/2002 EMG 2002501028
 05/09/1997 MM 97500614

Case Type

Dust/Fallout
 Dust/Fallout

NOV/WW

Violation History (Last 2 Years) - None

Open AOD Conditions - None

Notices of Construction / Notifications Evaluation Pending**Inactive? NOC / Notice #****FLA initials**

9203

baghouse

Conditions**Approved****Evaluated**

05/12/2005

3/1/06

3. There shall be no visible emissions or fallout from the BHA Pulse-Jet cartridge Baghouse.
 4. Glacier Northwest, Inc. shall not allow emissions from the baghouse to exceed 0.01 gr/dscf as measured by a compliance source test following the requirements of Regulation I, Section 3.07.
 5. Glacier Northwest, Inc. shall, within 60 days after startup, determine the pressure drop range across the baghouse during normal operations, and record the maximum and minimum pressure drop readings in the facility's Operations and Maintenance Plan as required by Puget Sound Clean Air Regulation I, Section 5.05, and this pressure drop range shall be made visible for equipment inspections.
 6. The BHA Pulse-Jet cartridge Baghouse shall be inspected at least once per week when equipment vented to the unit is operating. Inspections shall include a check for visible emissions and fallout. Inspections shall include recording the presence or absence of visible emissions or fallout, and that the pressure drop across the baghouse is within the established range of Condition No. 5.
 7. If visible emissions or fallout are observed, Glacier Northwest, Inc. shall investigate the cause and either initiate repairs or shut down the equipment vented to the baghouse within 24 hours of the observation.
 8. Records of all inspections and corrective actions shall be maintained for at least two years and made available to Puget Sound Clean Air Agency personnel upon request.

Description

BHA Pulse-Jet cartridge Baghouse at 13,000 acfm replaces Order of Approval 3518.

☐

9379

3 baghouses on cement loadout**Conditions**

02/14/2006

3/1/06

3. Glacier Northwest, Inc. shall not allow visible emissions or fallout from the C&W Model CPR 9000S and C&W Model 610C baghouses.
 4. Glacier Northwest, Inc. shall not allow emissions from the baghouse to exceed 0.01 gr/dscf as measured by a compliance source test following the requirements of Regulation I, Section 3.07.
 5. Glacier Northwest, Inc. shall, within 60 days after startup, determine the pressure drop range across the C&W Model CPR 9000S and C&W Model 610C baghouses during normal operations, and record the maximum and minimum pressure drop readings in the facility's Operations and Maintenance Plan as required by Puget Sound Clean Air Regulation I, Section 5.05, and this pressure drop range shall be made visible for equipment inspections.
 6. The C&W Model CPR 9000S and C&W Model 610C baghouses shall be inspected at least once per week when equipment vented to the unit is operating. Inspections shall include a check for visible emissions and fallout. Inspections shall include recording the presence or absence of visible emissions or fallout, and that the pressure drop across the baghouse is within the established range of Condition No. 5.
 7. If visible emissions or fallout are observed, Glacier Northwest, Inc. shall investigate the cause and either initiate repairs or shut down the equipment vented to the baghouse within 24 hours of the observation.
 8. Records of all inspections and corrective actions shall be maintained for at least two years and made available to Puget Sound Clean Air Agency personnel upon request.

Description

Notices of Construction / Notifications Evaluation PendingInactive? NOC / Notice #
FLA initials**Approved Evaluated**

Replacement Baghouses for the existing Cement Silos and Truck Loadout including: (2) C&W Model CPR 9000S @ 9000 cfm each and (1) C&W Model 610C @ 3000 cfm.

Notices of Construction / NotificationsInactive? NOC / Notice #
FLA initials**Approved Evaluated**☒ 8124**Portable Concrete Batch Plant
Conditions**

03/22/2000 02/22/2005

3. Glacier Northwest Inc shall not exceed 0.02 gr/dscf from the Fabric Filter Air Sys 121-10 baghouse as measured by a compliance source test that follows the requirements of Regulation I, Section 3.07.
4. Glacier Northwest Inc shall determine the acceptable Fabric Filter Air Sys 121-10 baghouse pressure drop while the equipment is operating normally and record the current values in the facility's Operations and Maintenance Plan.
5. Glacier Northwest Inc shall monitor the Fabric Filter Air Sys 121-10 baghouse for visible emissions, evidence of fugitive dust and fallout at least once each week while operating. If visible emissions, fugitive dust or fallout are found, Glacier Northwest Inc shall, within 24 hours, make corrections until no visible emissions, fugitive dust or fallout occur, or shut down the equipment venting to the baghouse as specified in its Operation and Maintenance Plan. Glacier Northwest Inc shall document these actions, maintain these records on-site for at least two years, and make these records available to Puget Sound Clean Air Agency personnel upon request.

Description

One Ross Bandit Portable Concrete Batch Plant rated at 300 cy/hr including Bulk Conveyors, Storage Bin, two Storage Silos, Batching, Outside Bulk Storage and Loading/Unloading with emissions controlled by a Fabric Filter Air Sys 121-10 Baghouse rated at 8,000 cfm.

☐ 9079**Loading/unloading equipment
Conditions**

12/16/2004 02/22/2005

3. Glacier Northwest Inc. shall allow no visible emissions or fallout from the operation of the baghouse. If emissions are observed Glacier Northwest Inc. shall immediately investigate the cause and initiate repairs or use corrective actions.
4. Glacier Northwest Inc. shall not allow baghouse emissions to exceed 0.02 gr/dscf as measured by a compliance source test following the requirements of Regulation I, Section 3.07.
5. Glacier Northwest Inc. shall, within 30 days after startup, determine the pressure drop range across the baghouse during normal operations, and record the maximum and minimum pressure drop readings in the facility's Operations and Maintenance Plan as required by Puget Sound Clean Air Regulation I, Section 5.05, and this pressure drop range shall be made visible for equipment inspections.
6. Glacier Northwest Inc. shall inspect equipment at least once per week during operations. Inspections shall include recording the presence or absence of visible emissions or fallout, and that the pressure drop across the baghouse is within the established range of Condition No. 5.
7. If visible emissions, fallout, or abnormal pressure drop are observed, Glacier Northwest Inc. shall investigate the cause and within 24 hours of the observation, initiate and record corrective actions.
8. Glacier Northwest Inc. shall maintain records for at least two years and make these records available to Puget Sound Clean Air Agency personnel upon request.

Description

Two New Filter Technology Baghouses Models BV-730 and BVHL-250 exhausting 3,500 cfm and 1,000 cfm respectively to control existing loading/unloading equipment.

Air Contaminant Generating Equipment, Associated Control Equipment

Inactive?

- ☐ (1) Storage Bin/Silo System
12 Cement Silos *Truck loading*
Rated: 48130 Ton Year Installed: 1967 NC/NOT #:
- ☐ CE (1) Baghouse (2)
C&W Model CPR 9000S
Rated: 9000 CFM Year Installed: 2006 NC/NOT #: 9379
- ☐ (2) Loading/Unloading
Cement *Railcar Loading* *Truck spouts*
Rated: 2400 Ton Year Installed: 1967 NC/NOT #:
- ☐ CE (2) Baghouse
C&W Model 610C
Rated: 3000 CFM Year Installed: 2006 NC/NOT #: 9379

Air Contaminant Generating Equipment, Associated Control Equipment

Inactive?

- ☐ (3) Loading/Unloading
Truck Loading - Cement W/Displacement Air Retrieval
Rated: 400 Ton Year Installed: 1967 NC/NOT #:
- ☐ CE (3) Baghouse
Truck Loading Reverse air
Rated: 13000 CFM Year Installed: 1967 NC/NOT #:
- ☐ (4) Loading/Unloading
Ship Unloading Docksider Ds-G400e
Rated: 440 Ton/Hr Year Installed: NC/NOT #: 3518
- ☐ CE (4) Baghouse
BHA Pulse-Jet cartridge
Rated: 13000 CFM Year Installed: 2006 NC/NOT #: 9203
- ☐ (5) Bagger
Rated: 4000 Lb Year Installed: NC/NOT #:
- ☐ CE (3) Baghouse
Truck Loading Reverse air
Rated: 13000 CFM Year Installed: 1967 NC/NOT #:
- ☐ (6) Soil Venting System
Ozone Injection & Soil Vapor Extraction Sys
Rated: 0 Year Installed: 1999 NC/NOT #: 7938

* This item does not require a Notice of Construction.

Other Control Equipment

Inactive?

- ☐ (5) Baghouse 3rd floor Silo #9 fly ash
Model BV-730
Rated: 3500 CFM Year Installed: 2004 NC/NOT #: 9079
- ☐ (6) Baghouse Fly ash scale
Model BVHL-250
Rated: 1000 CFM Year Installed: 2004 NC/NOT #: 9079

* This item does not require a Notice of Construction.

Emission Summary - None for 2003 or 2004

Puget Sound Clean Air Agency
110 Union Street, Suite 500
Seattle, WA 98101 - 2038

NEW EQUIPMENT *3-15-06*

Reg # Facility:

() Basic Equipment Code: 873 Code Description: Barge unloading
Specifications:
Year Installed: Units Installed: Rated Capacity: Units of Measure:
NOC/NOT Required: ☐ Yes ☐ No Primary Fuel: Standby Fuel:

Associated Control Equipment Code: 100 Code Description: Baghouse
7 Specifications: North storage cement silos
Year Installed: 1967 # Units Installed: 1 CFM Rated Capacity: 10,000 NOC/NOT Required: ☐ Yes ☒ No

() Basic Equipment Code: 873 Code Description: Barge unloading
Specifications:
Year Installed: Units Installed: Rated Capacity: Units of Measure:
NOC/NOT Required: ☐ Yes ☐ No Primary Fuel: Standby Fuel:

Associated Control Equipment Code: 100 Code Description: South Storage Baghouses
8 Specifications: South Storage cement silos
Year Installed: 1967 # Units Installed: 1 CFM Rated Capacity: 10,000 NOC/NOT Required: ☐ Yes ☒ No

() Basic Equipment Code: 873 Code Description:
Specifications: Rail car unloading
Year Installed: Units Installed: Rated Capacity: Units of Measure:
NOC/NOT Required: ☐ Yes ☐ No Primary Fuel: Standby Fuel:

Associated Control Equipment Code: 100 Code Description: Baghouse
9 Specifications: Rail car
Year Installed: 1967 # Units Installed: 1 CFM Rated Capacity: 10,000 NOC/NOT Required: ☐ Yes ☒ No

() Basic Equipment Code: Code Description:
Specifications:
Year Installed: Units Installed: Rated Capacity: Units of Measure:
NOC/NOT Required: ☐ Yes ☐ No Primary Fuel: Standby Fuel:

Associated Control Equipment Code: Code Description:
Specifications:
Year Installed: # Units Installed: CFM Rated Capacity: NOC/NOT Required: ☐ Yes ☐ No

Glacier NW Inc. West Marginal Reg. No. 11872
5900 W. Marginal Way SW
Seattle, WA. 98106

03/01/06 2:15 PM

I arrived on-site wearing my Agency ID and contacted Steve Penswick, the plant manager. I discussed the inspection objectives with him:

- Inspect for compliance
- Discuss the operations at the facility
- Inspect the new Dock Sider baghouse and sign notice of completion No. 9203
- Review the baghouse O&M logs

Operations

The source stores and distributes cement and fly ash. The fly ash is a new segment of the business for them. The fly ash comes from Alberta. It is a ready mix additive. The market for the fly ash is not good. As a result, the fly ash baghouses are seldom in use. Fly ash causes the cement to flow better. The cement is delivered to the facility by ship and by barge from Siam Thailand and from South Korea. The company distributes the cement by truck and rail to ready mix plants. The two new fly ash baghouses CE(5), and CE(6) have been on-line since 2/16/05.

Glacier northwest has a truck wash to keep track out off of West Marginal Way. Additionally they have a sweeper truck that is shared among the other Glacier facilities. Darryl Herman is the manager of the sweeper trucks. The source receives a delivery of cement by ship every two months for a total of six shipments per year. The source receives a barge delivery every month. Recently the company completed the installation of three new baghouses in the truck loading area. The CE(2) C&W 3,000 cfm baghouse, NOC 9379 controls dust from the truck spouts. The two new CE(1) baghouses, 9,000 cfm also approved under NOC 9379, control dust as the cement travels from the storage silos to the trucks for transport. When these 3 dust collectors are on-line next week, Glacier will remove the existing 13,000 cfm, CE(3) baghouse as it will no longer be needed. The new Dock Sider baghouse, NOC 9203 is installed and operational as of 1/20/2006. It is located on the dock and controls emissions during ship unloading activities.

Facility Inspection

During my inspection, a barge was unloading cement to the storage silos. The North Storage baghouse and the South storage baghouse located on the 3rd floor were controlling emissions from the process. I observed no visible emissions from the exhaust vents of these baghouses. The North Storage baghouse pressure drop reading was 1.0 inches of water pressure on both the east and west compartments. The South Storage baghouse pressure drop reading was 1.0 inches of water pressure on the west side, and

OG 3/3/06

1.5 inches of water pressure on the east side. Both of these dust collectors were installed in 1967, when the plant was built. I added them to the equipment list. I also added the rail car loading baghouse to the equipment list. This baghouse was installed in 1967. All of the other baghouses at the facility were off-line, except the CE(3) 13,000 cfm baghouse on the truck loading silos. I observed no visible emissions from this baghouse. No trucks were loading cement during my inspection. I observed no track-out and no fugitive dust at the facility.

Records Review

I reviewed the weekly baghouse O&M records for each baghouse. I observed that all of the logs were complete and up to date. I observed that Glacier was checking the following parameters:

Baghouse exterior, baghouse interior, condition of bags, condition of belts, condition of fans, evidence of fugitive dust or fallout, and pressure drop reading. There was a column for checking visible emissions, but no column documenting corrective action within 24 hours in the event visible emissions are observed.

After the facility inspection, we returned to the office. I issued a CSR no deficiencies. I requested Mr. Penswick improve the documentation on the weekly baghouse inspection forms to demonstrate compliance with the dust collector permit conditions.

WJ 3/3/06